



Attorney Docket No. 2004_1408A
Serial No. 10/506,798
September 11, 2006

AMENDMENTS TO THE CLAIMS

1-5. (Cancelled)

6. (Currently amended) A nano horn carrier, wherein two or more carbon nano horn aggregates are bonded by heat treatment at a temperature range from 1200°C to 2000°C and mutually carried.

7. (Previously presented) The nano horn carrier of claim 6, wherein a part or all of carried carbon nano horn aggregates are fixed on a base material.

8. (Original) The nano horn carrier of claim 7, wherein carbon nano horn aggregates are fixed on a base material by a fixing material.

9. (Previously presented) The nano horn carrier of claim 7, wherein the base material has an arbitrary shape.

10. (Previously presented) The nano horn carrier of claim 7, wherein the base material is any one of glass, ceramics, metal, alloy, semiconductor, and organic matter.

11. (Previously presented) The nano horn carrier of claim 6, wherein the shape is variable.

12. (Previously presented) The nano horn carrier of claim 6, wherein the tip of carbon nano horn is projecting from the surface of the fixing material.

13. (Cancelled)

14. (Withdrawn) A manufacturing method of nano horn carrier which comprises dispersing carbon nano horn aggregates in a dispersion liquid, supplying this dispersion liquid on a base material, removing only the dispersion liquid to dispose carbon nano horn aggregates, and covering a part or all of the carbon nano horn aggregates with a fixing member to be carried on the fixing member.

15. (Withdrawn) A manufacturing method of nano horn carrier which comprises dispersing carbon nano horn aggregates in a dispersion liquid, supplying this dispersion liquid on a base material in which a fixing material layer is formed preliminarily, removing only the dispersion liquid to dispose carbon nano horn aggregates, and pressing the carbon nano horn aggregates from above to the fixing material layer to in a softened state to be carried on the fixing member.

16. (Withdrawn) A manufacturing method of nano horn carrier which comprises dispersing carbon nano horn aggregates in a dispersion liquid, supplying this dispersion liquid on a base material, removing only the dispersion liquid to dispose carbon nano horn aggregates, and heating to 1200 to 2000° C to bond mutually the carbon nano horn aggregates and be carried on each other.

17. (Withdrawn) The manufacturing method of nano horn carrier of any one of claims 14 to 16, wherein the base material has an arbitrary shape.

18. (Withdrawn) The manufacturing method of nano horn carrier of any one of claims 14 to 16, wherein the base material is any one of glass, ceramics, metal, alloy, semiconductor, and organic matter.

19. (Withdrawn) The manufacturing method of nano horn carrier of any one of claims 14 to 16, wherein the base material is composed of a chemically or thermally unstable material.

20. (Withdrawn) The manufacturing method of nano horn carrier of any one of claims 14 to 16, wherein the base material is removed.

21. (Withdrawn) The manufacturing method of nano horn carrier of claim 20, wherein the base material is removed by a solvent.

22. (Withdrawn) The manufacturing method of nano horn carrier of claim 20, wherein the base material is removed by heating.

23. (Withdrawn) The manufacturing method of nano horn carrier of any one of claims 14 to 16, wherein the fixing material is any one of organic polymer, metal, alloy, and inorganic matter.

24. (Withdrawn) The manufacturing method of nano horn carrier of any one of claims 14 to 16, wherein the fixing material is a material softened by heat of 1500 °C or less.

25. (Withdrawn) The manufacturing method of nano horn carrier of claim 24, wherein the fixing material is a metal or alloy of which melting point is 1500° C or less.

26. (Withdrawn) The manufacturing method of nano horn carrier of any one of claims 14 to 16, wherein the fixing material is a material forming a carbide at 1500 °C or less.

27. (Withdrawn) The manufacturing method of nano horn carrier of any one of claims 14 to 16, wherein a part of the fixing material (2) covering the carbon nano horn aggregates is selectively removed.

28. (Withdrawn) The manufacturing method of nano horn carrier of claim 27, wherein the fixing material is selectively removed by a solvent.

29. (Withdrawn) The manufacturing method of nano horn carrier of claim 27, wherein the fixing material is selectively removed by oxygen plasma etching.

30. (Withdrawn) The manufacturing method of nano horn carrier of claim 27, wherein the fixing material is selectively removed by heating in an oxygen atmosphere.

31. (Currently amended) A nano horn carrier, which comprises:
one or more carbon nano horn aggregates, which are bonded by heat treatment at a temperature range from 1200°C to 2000°C,
a base material, and
a fixing material,
wherein a part or all of one or more carbon nano horn aggregates is carried and fixed on the base material by the fixing material, and the base material is removable from the fixing material and the carbon nano horn aggregate.

32. (Previously presented) The nano horn carrier of claim 31,
wherein the base material is removable by means selected from the group consisting of peeling, dissolving, fusing, evaporating and oxygen plasma etching.

33. (Previously presented) The nano horn carrier of claim 31,
wherein the base material and the base material are able to curve.